

Outgoing

C0070019

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**OGMCOAL - Centennial 2009 Second and Third Quarter Water Quality Reports
(Tasks 3319 & 3375)**

From: April Abate
To: dshaver@coalsource.com; Karla Knoop
Date: 1/14/2010 2:41 PM
Subject: Centennial 2009 Second and Third Quarter Water Quality Reports (Tasks 3319 & 3375)
CC: OGMCOAL@utah.gov
Attachments: 0002.pdf; 0001.pdf; April Abate.vcf

Hi Dave and Karla,

Here are your most recent 2009 water quality reports for the Centennial mine. Not much data to report on, the only point that produced any data was the well once it got back online. The pH reading was slightly alkaline so we should continue to watch those readings in the coming quarters. Also, do you have a top of casing elevation for that well? This will help me to track depth to water levels.

Thanks so much....

Regards,
April

April A. Abate*Environmental Scientist II*

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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 1/13/10*

FROM: April A. Abate, Environmental Scientist II *QQA 1-12-10*

SUBJECT: 2009 Third Quarter Water Monitoring, Andalex Resources, Centennial Mine, C/007/0019, Task ID #3375

The Centennial Mine is currently in temporary cessation. No mining or coal processing activities currently take place there, nor is the site in active reclamation.

The current water monitoring plan is located in Section R645-301-711.300 of the MRP (Mining and Reclamation Plan) beginning on page 7-2 thru 7-8. Sampling locations are found on Figure VII-1 located at the end of Chapter 7 illustrating the active and deleted groundwater and surface water monitoring locations that have been approved by the Division.

1. Were data submitted for all of the MRP required sites?

Springs YES ☒ NO ☐

The spring sample was not flowing this quarter.

Streams YES ☒ NO ☐

Neither stream samples was flowing this quarter.

Wells YES ☒ NO ☐

Well #1 reported data for the third quarter.

UPDES YES ☒ NO ☐

All four UPDES locations were monitored monthly in accordance with the permit. No discharge from any of the sample locations was reported for the third quarter of 2009.

2. Were all required parameters reported for each site?

Springs YES ☐ NO ☐

Not applicable this quarter.

Streams YES ☐ NO ☐

Not applicable this quarter.

Wells YES ☒ NO ☐

UPDES YES ☐ NO ☐

Not applicable this quarter.

3. Were any irregularities found in the data?

Springs YES ☐ NO ☐

Not applicable this quarter.

Streams YES ☐ NO ☐

Not applicable this quarter.

Wells YES ☒ NO ☐

pH levels were slightly alkaline and above groundwater quality standards (R317-6-2.1) during the third quarter at a level of 9.2. The standard for pH in groundwater ranges between 6.5 - 8.5.

UPDES YES ☐ NO ☐

Not applicable this quarter.

4. Did the Permittee make a timely submittal of all data, including initially missing data, and satisfactorily explain irregular data? YES ☒ NO ☐

5. Does the Mine Permittee need to submit more information to fulfill this quarter's monitoring requirements? YES ☒ NO ☐

The Division would like to request information on whether or not any survey data is

available for Well#1? The top of casing elevation would be useful in determining depth-to-water measurements relative to the elevation.

With respect to the elevated pH level, this is the first reading collected since the pump was repaired. pH levels should be watched to determine if more neutral levels can be reached, or if this trend persists.

6. Based on your review, what further actions, if any, do you recommend?

See item #5 above.

7. Follow-up from last quarter, if necessary.

None

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WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor

FROM: April A. Abate, Environmental Scientist II

SUBJECT: 2009 Second Quarter Water Monitoring, Andalex Resources, Centennial Mine, C/007/0019, Task ID #3319

The Centennial Mine is currently in temporary cessation. No mining or coal processing activities currently take place there, nor is the site in active reclamation.

The Division approved a revision to the water monitoring plan on June 26, 2007. The new water monitoring plan takes effect with this submittal of second quarter 2009 monitoring data. The current water monitoring plan is located in Section R645-301-711.300 of the MRP (Mining and Reclamation Plan) beginning on page 7-2 thru 7-8. Sampling locations are found on Figure VII-1 located at the end of Chapter 7 illustrating the active and deleted groundwater and surface water monitoring locations that have been approved by the Division.

1. Were data submitted for all of the MRP required sites?

Springs

YES ☒ NO ☐

The spring sample was not flowing this quarter.

Streams

YES ☒ NO ☐

Neither stream samples was flowing this quarter.

Wells

YES ☒ NO ☐

Well #1 was reported as dry this quarter.

UPDES

YES ☒ NO ☐

All four UPDES locations were monitored monthly in accordance with the permit. No discharge from any of the sample locations was reported for the second quarter of 2009.

2. Were all required parameters reported for each site?

Springs YES ☐ NO ☐

Not applicable this quarter.

Streams YES ☐ NO ☐

Not applicable this quarter.

Wells YES ☐ NO ☐

Not applicable this quarter.

UPDES YES ☐ NO ☐

Not applicable this quarter.

3. Were any irregularities found in the data?

Springs YES ☐ NO ☐

Not applicable this quarter.

Streams YES ☐ NO ☐

Not applicable this quarter.

Wells YES ☐ NO ☐

Not applicable this quarter.

UPDES YES ☐ NO ☐

Not applicable this quarter.

4. Did the Permittee make a timely submittal of all data, including initially missing data, and satisfactorily explain irregular data? YES ☐ NO ☐

Not applicable this quarter.

5. Does the Mine Permittee need to submit more information to fulfill this quarter's monitoring requirements? YES ☐ NO ☒

6. Based on your review, what further actions, if any, do you recommend?

None

7. Follow-up from last quarter, if necessary.

None